



 **AUTODESK**
Value Added Distributor

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ADVANCED MANUFACTURING SOLUTIONS

—
Make the new possible



About Autodesk

Advanced Manufacturing Solutions

For nearly 40 years, Autodesk® has pushed the possibilities of what it means to design and manufacture. Covering additive, subtractive, simulation, materials and electronics, products such as Moldflow®, PowerMill®, Netfabb® and FeatureCAM® provide customers globally with solutions across all advanced manufacturing processes and needs.

Now, with Fusion 360 we're ushering in an era of advanced manufacturing that will change everything. Empowering product design and manufacturing innovators to achieve the new possible – in the way businesses can imagine, collaborate, and create.

Your advanced manufacturing innovation partner

With more than 600 manufacturing professionals dedicated to software development, and over \$1B investment



600

software developers



>\$1bn

invested by Autodesk



6

manufacturing innovation centers

in advanced manufacturing technology, we are committed to helping you stay ahead of the competition. Our expert technical specialists, consulting teams and specialized local Partner Network are available globally to optimize your manufacturing processes.

We recognize it's difficult to test, learn, and implement new manufacturing processes when you face pressures every day to deliver parts. Our global network of technology centers help expand your R&D capabilities to drive manufacturing innovation, using Autodesk software to push the limits of the latest hardware available today.

Converging design and manufacturing

We are here to help you connect your design and manufacturing workflows, automate your processes, and network with your entire supply chain.

Choose from a range of digital manufacturing software focused on processes including CAM, additive manufacturing, simulation, and inspection for your business needs:

CAM



PowerMill
Expert high speed and multi-axis CAM software



FeatureCAM
Automated CNC programming software (includes Swiss-lathes)



CAMplete TruePath/TurnMill
NC-code post-processing and G-code simulation software

Additive



Netfabb
Connected software for additive manufacturing, design, and simulation



PowerMill
Program, control, and simulate high-rate additive manufacturing

Simulation



Moldflow
Plastic injection and compression mold simulation software



CFD
Computational fluid dynamics simulation software

Metrology



PowerInspect
Multi-device 3D inspection software

Modeling for Manufacturing



PowerShape
Prepare complex 3D molds, tools and dies for manufacture

Integrated platform solution



Fusion 360
Integrated CAD/CAM/CAE/ECAD software

Shopfloor MES



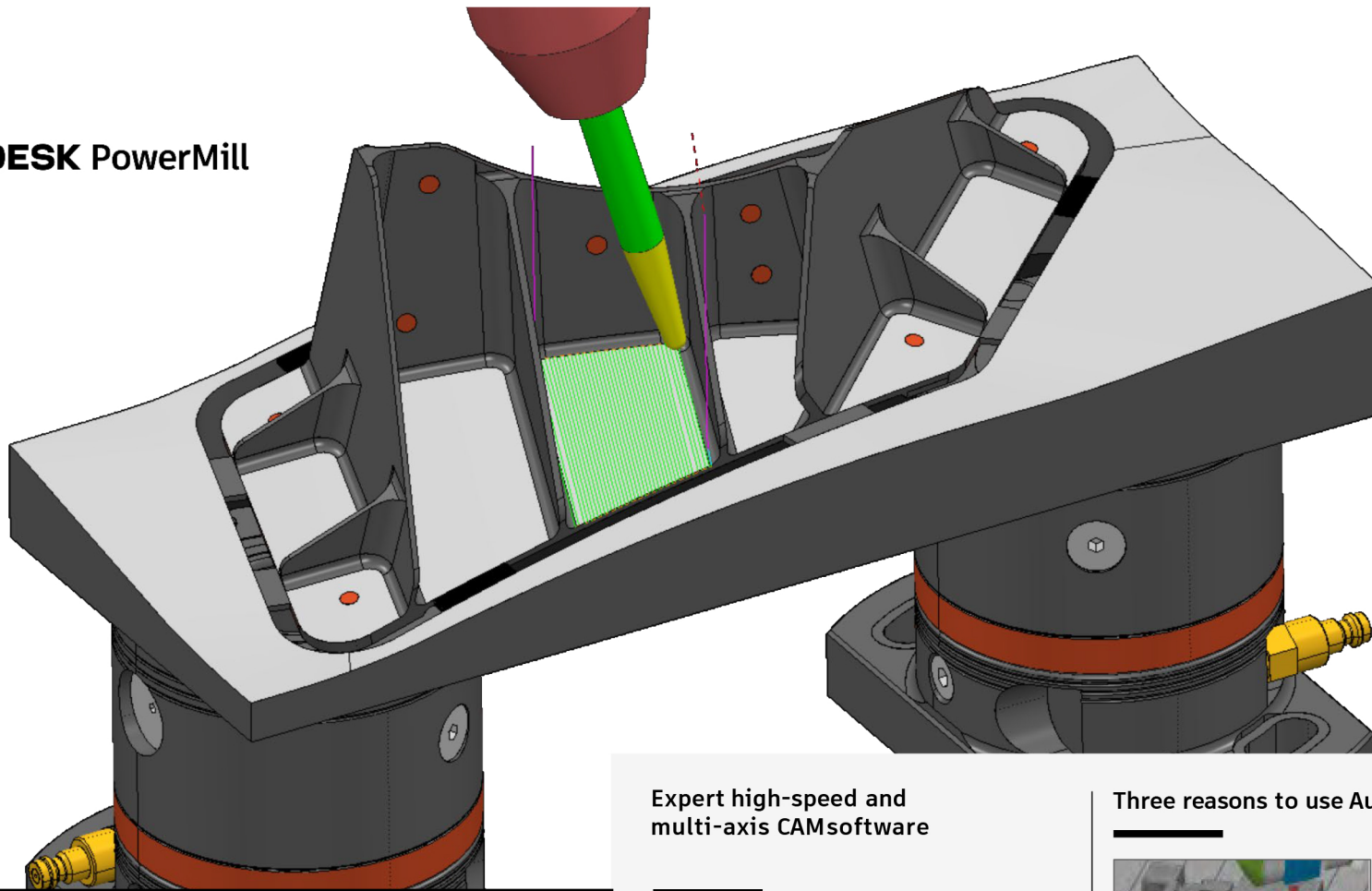
Prodsmart
Plan, assign, manage, and track shop-floor production

Included with all Autodesk specialist tools – Fusion 360 is our next generation, data-centric platform seamlessly connecting design, engineering and manufacturing. Differentiate your business by:

- Accessing all the technology you need, on demand
- Collaborating with all stakeholders from design to manufacture
- Connecting to suppliers and services providers
- Communicating throughout the development timeline.



AUTODESK PowerMill



“With PowerMill, we’re seeing jobs come in weeks ahead of schedule. Builds that would traditionally take 10 weeks, we’re doing in 4 to 5

Brian Kerkstra,
Manufacturing Engineer,
Paragon D&E

Expert high-speed and multi-axis CAM software

Autodesk® PowerMill® is expert CAM software for programming molds, dies and highly complex components requiring maximum quality, control, and efficiency of your CNC machines. Access a vast library of toolpath strategies and combine with advanced optimization tools to generate the NC code needed to produce exceptional quality parts. Use powerful simulation tools to validate and enhance the motion of 5-axis machines and industrial robots.

[Learn more at www.autodesk.com/products/powermill](http://www.autodesk.com/products/powermill)

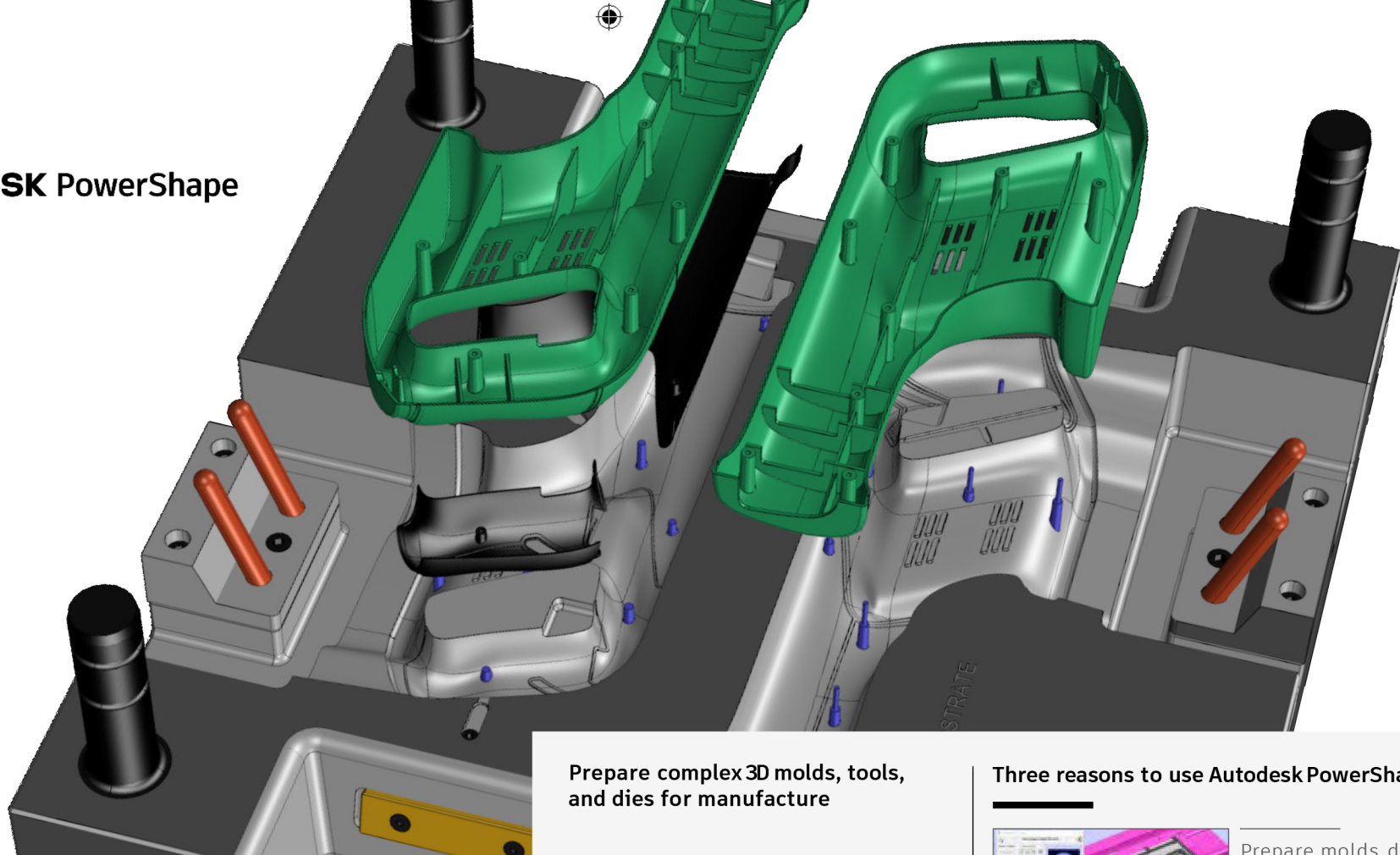
Three reasons to use Autodesk PowerMill



Rapidly create high efficiency toolpaths for large, complex parts. Extensive toolpath editing and optimization



Automatic 5-axis collision avoidance for demanding applications



“The interaction between PowerMill and PowerShape has definitely streamlined our ability to manufacture molds. We can start making chips right away”

Shawn McNamara,
Designer,
Chicago Mold Engineering

Prepare complex 3D molds, tools, and dies for manufacture

The ideal modeling companion to use alongside PowerMill® and FeatureCAM®. Create additional geometry to help with CAM programming. Sketch wireframe boundaries to control the extents of machining. Automatically produce capping surfaces that smoothly cover ribs and other features produced with other manufacturing processes. Construct curves and surfaces to more precisely control the motion of 5-axis machines and industrial robots.

[Learn more at www.autodesk.com/products/powershape](http://www.autodesk.com/products/powershape)

Three reasons to use Autodesk PowerShape



Prepare molds, dies, and complex parts for manufacture

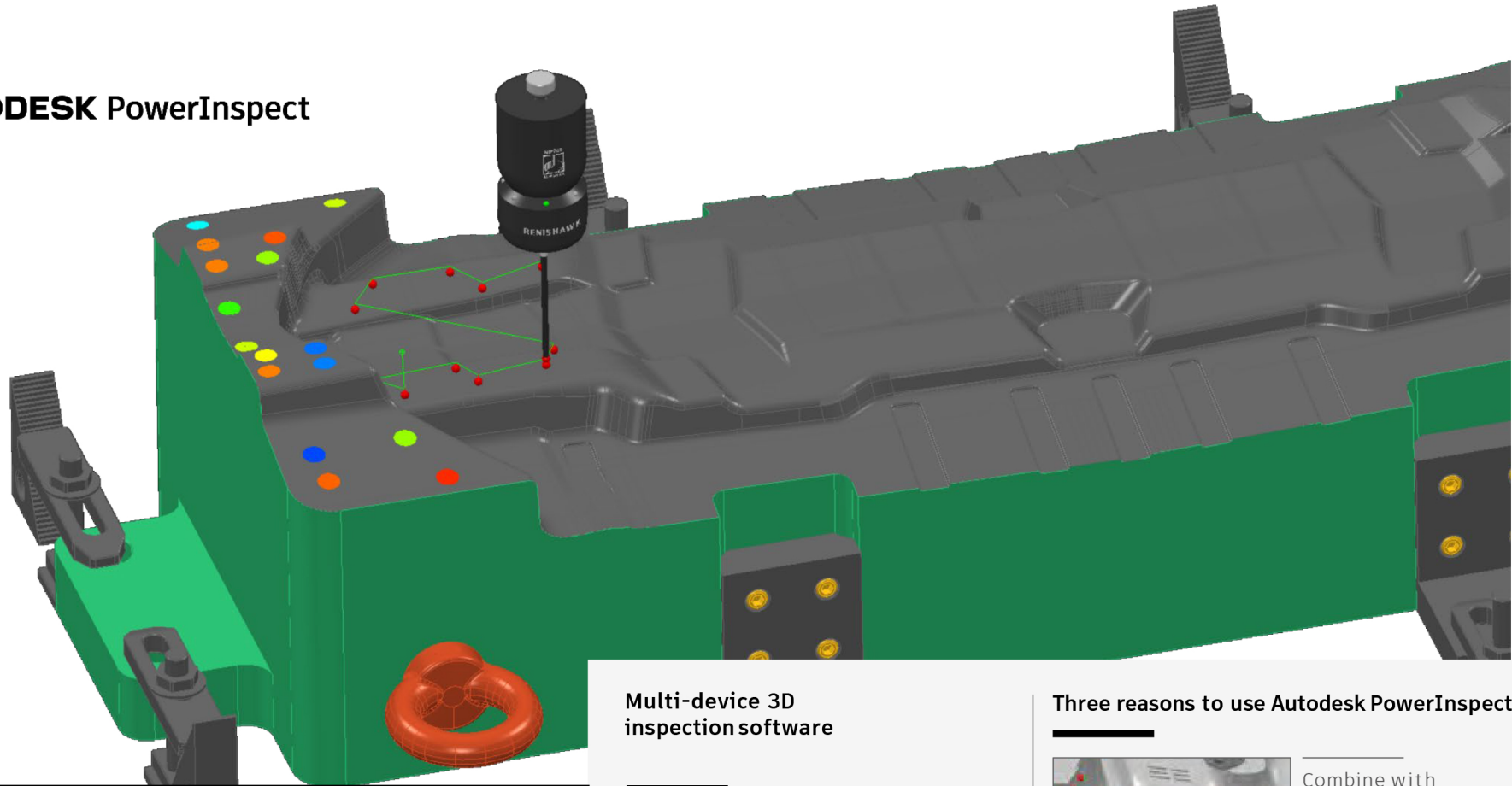


Create geometry to help with CAM programming



Find and repair faults to simplify downstream processes

P AUTODESK PowerInspect



“Our main target was to have one established inspection software on all our different hardware platforms

Hr Dr. Gohmann,
Head of QM and QA,
bielomatik Leuze GmbH + Co. KG

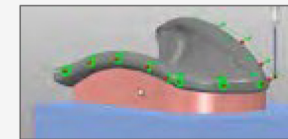
Multi-device 3D inspection software

Make inspecting complex freeform surfaces simple with a wide range of measuring devices. Autodesk® PowerInspect® offers a powerful way to inspect, validate, and quality control for all measurement equipment. Inspect parts during machining using On Machine Verification (OMV) to reduce scrap and avoid expensive rework. Minimize long setup times that can compromise machine productivity and overall plant capacity.

Three reasons to use Autodesk PowerInspect



Combine with PowerMill to maintain quality and accuracy

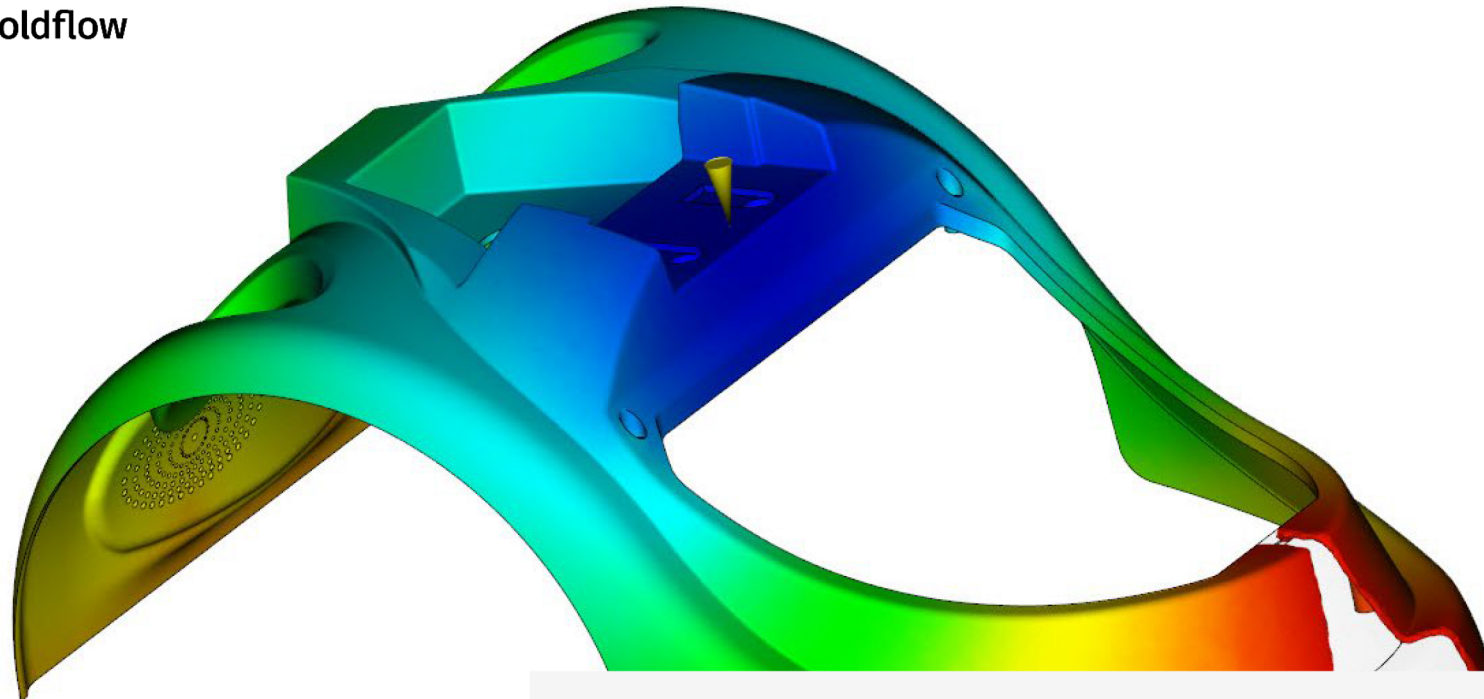
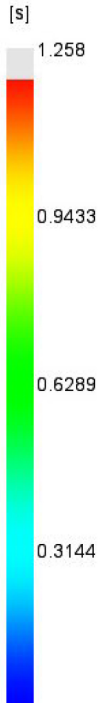


Save money by finding defects early in manufacturing



Easily inspect large, complex, and layered parts

[Learn more at www.autodesk.com/products/powerinspect](http://www.autodesk.com/products/powerinspect)



“We have been using Moldflow for about ten years. Back then, it was the only sensible product on the market. Today, it is basically the standard tool for simulations

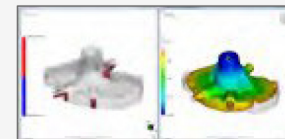
Beat Schiegg,
Head of R&D,
Forteq Nidau AG

Plastic injection and compression mold simulation software

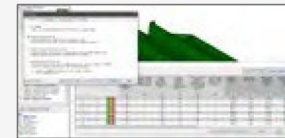
Optimize part and mold designs, reduce potential manufacturing defects, and get innovative products to market faster. Autodesk Moldflow provides tools based on a comprehensive materials database to help CAE analysts, engineers, and designers evaluate different designs, mold configurations, and injection molding processes, reducing the need for costly physical prototypes to plan ahead for manufacturing.

[Learn more at www.autodesk.com/products/moldflow](http://www.autodesk.com/products/moldflow)

Three reasons to use Autodesk Moldflow



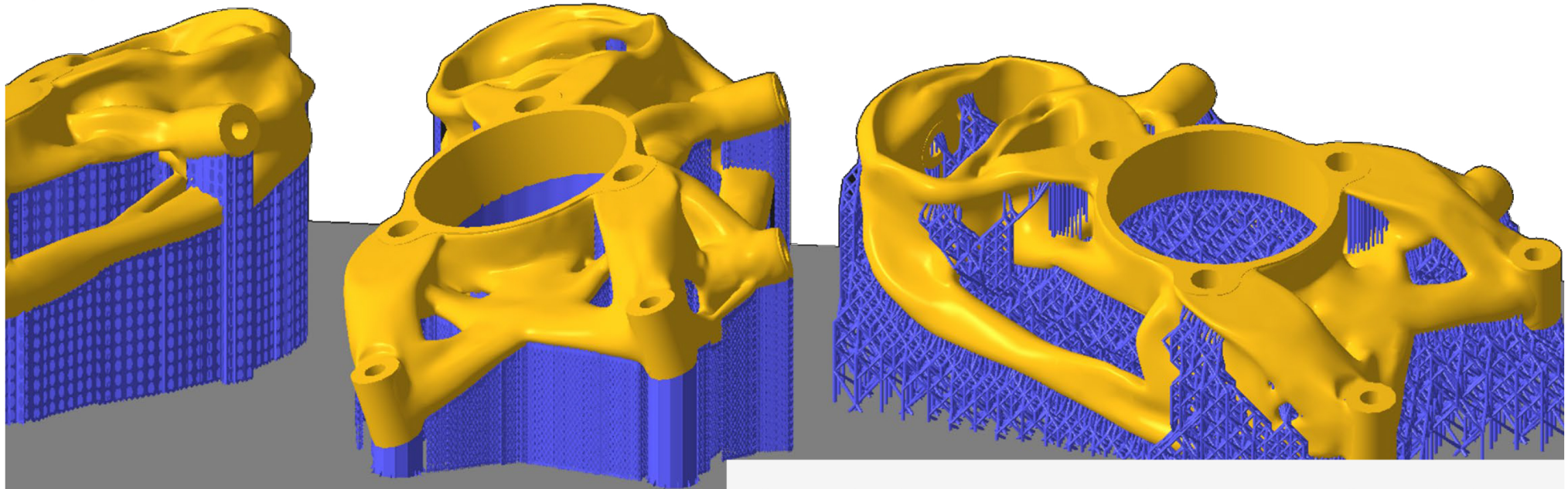
Reduce delays and gain insights with plastics part simulation



Optimize part, mold, and manufacturing processes in one interface



Simulate with flexible meshing and solving options



“ Designs are becoming more complex and computer modelling is essential to master the complexity. Autodesk software proved this can be done

Marko Bosman,
Chief Technologist AM,
GKN Aerospace

Connected software for additive manufacturing, design, and simulation

Designed for production environments, Netfabb provides efficient build preparation capabilities alongside tools for optimizing designs for additive manufacturing and simulating metal additive processes, to help you reduce costs, increase efficiency, and improve part performance. Quickly get from a 3D model to successfully printed parts using a complete additive manufacturing toolset that streamlines workflows and reduce build errors.

[Learn more at www.autodesk.com/products/netfabb](http://www.autodesk.com/products/netfabb)

Three reasons to use Autodesk Netfabb



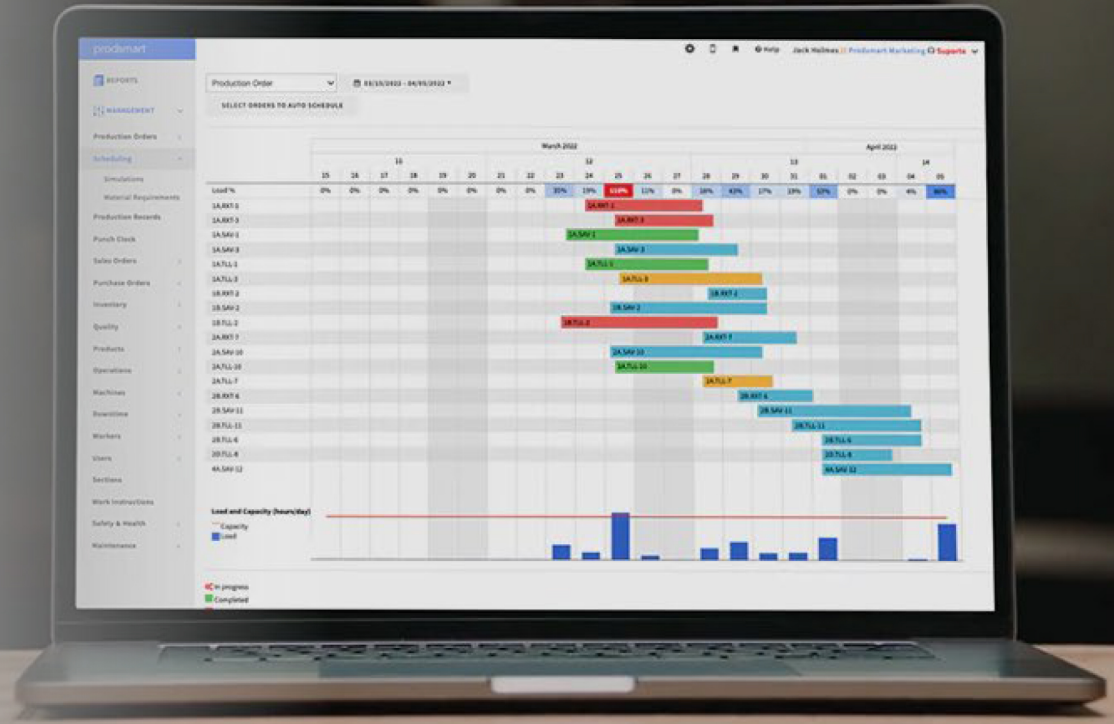
Convert and import models from many different CAD applications



Create models that take advantage of additive manufacturing



Maximize the numbers of parts you can fit into each build



“This groundbreaking manufacturing execution system (MES) replaces paper-based data collection methods and renders the ultimate truth of the shop floor.

MES Solution Providers

Plan, assign, manage, and track shop-floor production

Create seamless manufacturing processes with one single source of truth, across your entire organization.

Prodsmart optimizes the shop floor and connects your entire organization with digitized and automated manufacturing processes.

Plan, assign, manage, track and analyze fabricating and manufacturing shop floor production with one software solution.

Three reasons to use Autodesk Prodsmart



Real-time data with dashboard for connected manufacturing



Effective scheduling for MRP and inventory management



Workflow visualization and performance tracking

[Learn more at www.autodesk.com/campaigns/prodsmart](http://www.autodesk.com/campaigns/prodsmart)